L Number	Hits	Search Text	DB	Time stamp
-	37713	zener adj diode	USPAT;	2002/06/18
			US-PGPUB;	15:24
			EPO; JPO;	
			IBM TDB	
_	327	(minami-shinichi\$ kamigaki-yoshiaki\$	USPAT;	2003/08/29
		yasuoka-hideki\$ owada-fukuo\$).in.	US-PGPUB;	07:41
		Januaria inzuenza enuna zumaea, rem	EPO; JPO;	1
			IBM TDB	
	4-	(zener adj diode) and ((minami-shinichi\$		2002/06/18
	1	kamigaki-yoshiaki\$ yasuoka-hideki\$	US-PGPUB;	15:20
		owada-fukuo\$).in.)	EPO; JPO;	1
		owada Tanaoy, Tirr,	IBM TDB	
_	4	(zener) and ((minami-shinichi\$	USPAT;	2002/06/18
	1	kamigaki-yoshiaki\$ yasuoka-hideki\$	US-PGPUB;	15:20
		owada-fukuo\$).in.)	EPO; JPO;	1
		Owada Tukuoy):III.)	IBM TDB	
_	35	(breakdown) and ((minami-shinichi\$	USPAT;	2002/06/18
_	33	kamigaki-yoshiaki\$ yasuoka-hideki\$	US-PGPUB;	15:21
		wada-fukuo\$).in.)	EPO; JPO;	13.21
		Owada=LukuO\$.III.	IBM TDB	
	91	/257/606\ CCI C	USPAT;	2002/06/18
_	91	(257/606).CCLS.	USPAT; US-PGPUB;	17:51
			EPO; JPO;	17:31
	_	4000000 *******************************	IBM_TDB	2002/06/10
-	7	4999683.URPN.	USPAT	2002/06/18
	_		110000	15:34
_	7	("4071852" "4271445" "4323909"	USPAT	2002/06/18
	1	"4451839" "4607274" "4797720"		15:35
		"4807011").PN.		0000/05/55
-	3	4646114.URPN.	USPAT	2002/06/18
	1	·		16:31
-	4	4441114.URPN.	USPAT	2002/06/18
				16:37
_	14		USPAT	2002/06/18
	1	"3663874" "3745424" "3881179"		16:37
	1	"3886579" "4079402" "4127932"		
		"4136349" "4142200" "4153904"		1
		"4326211" "4377816").PN.		
_	4	4224631.URPN.	USPAT	2002/06/18
				17:27
_	3	("4051504" "4079402" "4127859").PN.	USPAT	2002/06/18
				17:28
-	2	3723832.URPN.	USPAT	2002/06/18
				17:29
-	153	(257/605).CCLS.	USPAT;	2002/06/18
			US-PGPUB;	17:51
			EPO; JPO;	
			IBM_TDB	
_	91	(257/606).CCLS.	USPAT;	2002/06/18
			US-PGPUB;	17:52
			EPO; JPO;	
			IBM TDB	
_	105	(257/604).CCLS.	USPAT;	2002/06/18
		, : / : /	US-PGPUB;	17:52
			EPO; JPO;	
			IBM TDB	
_	362	(257/603).CCLS.	USPAT;	2002/06/18
	302	(257,005).0015.	US-PGPUB;	17:52
			EPO; JPO;	
			IBM TDB	
_	142	((257/605).CCLS.) not ((257/606).CCLS.)	USPAT;	2002/06/18
_	142	(\201/000].CCIB.) HOC (\201/000].CCIB.)	US-PGPUB;	18:26
				10.20
			EPO; JPO;	
		4171500 MDDN	IBM_TDB	2002/06/19
-	3	4171528.URPN.	USPAT	2002/06/18
		/#2504004#		18:04
-	2	("3534231" "4030117").PN.	USPAT	2002/06/18
				18:04
_	5	4030117.URPN.	USPAT	2002/06/18
				18:05

Search History

8/31/03 11:41:25 AM

-	514	(SUGAWARA-TAKESHI\$ FURUSAWA-KAZUNORI\$ TERASAWA-MASAAKI\$ KAMIGAKI-YOSHIAKI\$).in.	USPAT; US-PGPUB;	2002/06/18 18:10
			EPO; JPO;	
			IBM_TDB	
_	50709	zener avalanche	USPĀT;	2002/06/18
			US-PGPUB; EPO; JPO;	18:10
			IBM TDB	
_	24	(((SUGAWARA-TAKESHI\$ FURUSAWA-KAZUNORI\$	USPAT;	2002/06/18
		TERASAWA-MASAAKI\$ KAMIGAKI-YOSHIAKI\$).in.	US-PGPUB;	18:11
) and (zener avalanche)) not ((zener-)	-EPO;- JPO;	<u> </u>
		<pre>and ((minami-shinichi\$ kamigaki-yoshiaki\$ yasuoka-hideki\$ owada-fukuo\$).in.))</pre>	IBM_TDB	
_	103	((257/604).CCLS.) not ((257/605).CCLS.)	USPAT;	2002/06/18
		not ((257/606).CCLS.)	US-PGPUB;	18:31
			EPO; JPO;	
		(4057/600)	IBM_TDB	2002/06/20
-	325	((257/603).CCLS.) not ((257/604).CCLS.) not ((257/605).CCLS.) not	USPAT; US-PGPUB;	2002/06/20
		((257/606).CCLS.)	EPO; JPO;	07.10
		((20) (00) (00)	IBM TDB	
-	661	((257/603) or (257/604) or (257/605) or	USPAT;	2002/06/20
	,	(257/606)).CCLS.	US-PGPUB;	07:10
			EPO; JPO; IBM TDB	
_	182	(257/361).CCLS.	USPAT;	2002/06/20
	•••		US-PGPUB;	07:11
			EPO; JPO;	
	25.6	4050 4050 \	IBM_TDB	2002/06/20
_	356	(257/362).CCLS.	USPAT; US-PGPUB;	2002/06/20 07:11
			EPO; JPO;	07.11
			IBM TDB	
-	181	((257/361).CCLS.) not (((257/603) or	USPAT;	2002/06/20
		(257/604) or (257/605) or (257/606)).ccLs.)	US-PGPUB; EPO; JPO;	07:26
		(257/606)).CCLS.)	IBM TDB	
_	270	((257/362).CCLS.) not ((257/361).CCLS.)	USPAT;	2002/06/20
		not (((257/603) or (257/604) or (257/605)	US-PGPUB;	07:35
		or (257/606)).CCLS.)	EPO; JPO; IBM TDB	
_	332	(257/363).CCLS.	USPAT;	2002/06/20
-	332	(207,000).0025.	US-PGPUB;	07:35
			EPO; JPO;	
	255	//DET/202) GOT G \ ==+ //DET/202\ GOT G \	IBM_TDB	2002/06/20
-	252	((257/363).CCLS.) not ((257/362).CCLS.) not ((257/361).CCLS.) not (((257/603) or	USPAT; US-PGPUB;	2002/06/20
	1	(257/604) or (257/605) or	EPO; JPO;	
1		(257/606)).CCLS.)	IBM_TDB	
-	211	1	USPAT;	2002/06/20
		buried)	US-PGPUB; EPO; JPO;	07:58
			IBM TDB	
-	294	zener same (subsurface sub-surface	USPAT;	2002/06/20
1		buried)	US-PGPUB;	07:58
			EPO; JPO;	
_	12	 ("3488527" "3566213" "3571630"	IBM_TDB USPAT	2002/06/20
1	12	"3758831" "4398142" "4405932"	JULAI	08:06
		"4456918" "4495694" "4683483"		
1	_	"4689651" "4734752" "4948745").PN.		0000 (05 (00
-	0	5929503.URPN.	USPAT	2002/06/20
_	4	4441114.URPN.	USPAT	2002/06/20
]			08:22
-	14	("3483441" "3534231" "3584266"	USPAT	2002/06/20
		"3663874" "3745424" "3881179" "3886579" "4079402" "4127932"		08:23
		"38865/9" "40/9402" "412/932" "4136349" "4142200" "4153904"		
1		"4326211" "4377816").PN.		
-	18	3881179.URPN.	USPAT	2002/06/20
	<u> </u>			09:14

Page 2

Search History 8/31/03 11:41:25 AM

		-		
-	9	4393575.URPN.	USPAT	2002/06/20 09:20
-	27	((SUGAWARA-TAKESHI\$ FURUSAWA-KAZUNORI\$	USPAT;	2002/06/20
1		TERASAWA-MASAAKI\$ KAMIGAKI-YOSHIAKI\$).in.) and (zener avalanche)	US-PGPUB; EPO; JPO;	10:36
			IBM_TDB	
-	317	(minami-shinichi\$ kamigaki-yoshiaki\$ yasuoka-hideki\$ owada-fukuo\$).in.	USPĀT; US-PGPŪB;	2003/04/05
		yasuoka-nidekis owada-idkdov/.in.	EPO; JPO;	13.40
			IBM_TDB	2002/04/05
-	1	zener and clamp\$	USPAT; US-PGPUB;	2003/04/05 12:13
			EPO; JPO;	
_	6648	 zener and (clamp clamping)	IBM_TDB USPAT;	2003/04/05
		Jones and (clamp clamping)	US-PGPUB;	12:13
			EPO; JPO; IBM TDB	
-	2284	zener with (clamp clamping)	USPAT;	2003/04/05
			US-PGPUB; EPO; JPO;	12:13
			IBM_TDB	
_	3041	zener same (clamp clamping)	USPAT;	2003/04/05
			US-PGPUB; EPO; JPO;	12:14
			IBM_TDB	2002/01/25
-	201	zener and (clamp clamping) and buried	USPAT; US-PGPUB;	2003/04/05
			EPO; JPO;	
_	142	zener SAME buried and (series serially)	IBM_TDB USPAT;	2003/04/05
	112	Zener State Surred and (Serres Serrary)	US-PGPUB;	12:17
			EPO; JPO; IBM TDB	
_	47	zener SAME buried same (series serially)	USPAT;	2003/08/31
			US-PGPUB;	07:29
			EPO; JPO; IBM TDB	
-	14528	zener SAME (series serially)	USPAT;	2003/04/05
			US-PGPUB; EPO; JPO;	12:51
	2124		IBM_TDB	2002/04/05
	9124	zener SAME (series serially) near3 (connected connection)	USPAT; US-PGPUB;	2003/04/05
		,	EPO; JPO;	
_	6031	zener with (series serially) near3	IBM_TDB USPAT;	2003/04/05
		(connected connection)	US-PGPUB;	13:37
			EPO; JPO; IBM TDB	
-	5915	zener adj diode with (series serially)	USPĀT;	2003/04/05
		near3 (connected connection)	US-PGPUB; EPO; JPO;	13:31
			IBM_TDB	
-	1016	zener adj diode with (series serially) near3 (connected connection) and (clamp	USPAT; US-PGPUB;	2003/04/05
		clamping)	EPO; JPO;	15.52
	-		IBM_TDB	2003/04/05
	1	(zener with (series serially) near3 (connected connection)) and 257/606.icls.	USPAT; US-PGPUB;	13:39
			EPO; JPO;	'
_	11	 (zener with (series serially) near3	IBM_TDB USPAT;	2003/04/05
		(connected connection)) and 257/603.icls.	US-PGPUB;	13:43
			EPO; JPO; IBM TDB	
-	1	(USPAT;	2003/04/05
		(connected connection)) and 257/605.icls.	US-PGPUB; EPO; JPO;	13:43
			IBM TDB	

-	1	<pre>(zener with (series serially) near3 (connected connection)) and 257/604.icls.</pre>	USPAT; US-PGPUB;	2003/04/05
		(connected connection), and 201, 00112015.	EPO; JPO;	13.13
_	1	(SUGAWARA-TAKESHI\$ and FURUSAWA-KAZUNORI\$	IBM_TDB USPAT;	2003/04/05
	_	and TERASAWA-MASAAKI\$ and KAMIGAKI-YOSHIAKi\$).in.	US-PGPUB; EPO; JPO;	13:50
_	٥	63066974.URPN.	IBM_TDB USPAT	2003/04/05
: : .				13:49
-	27	(SUGAWARA-TAKESHI\$ FURUSAWA-KAZUNORI\$ TERASAWA-MASAAKI\$ KAMIGAKI-YOSHIAKi\$).in.	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05 13:50
-	0	20010013611.URPN.	USPAT	2003/04/05 13:53
_	1463	(zener SAME (series serially) near3 (connected connection)) and (flash eprom eeprom memory)	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05
-	938	(zener with (series serially) near3 (connected connection)) and (flash eprom eeprom memory)	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05 13:56
-	790	(second plural) near5 zener SAME (series serially) near3 (connected connection)	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05 13:57
-	101	((second plural) near5 zener SAME (series serially) near3 (connected connection)) and (flash eprom eeprom memory)	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05 14:19
-	2	((second plural) near5 zener SAME (series serially) near3 (connected connection)) and (flash eprom eeprom memory) and	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/04/05 14:20
-	329	second near5 well (minami-shinichi\$ kamigaki-yoshiaki\$ yasuoka-hideki\$ owada-fukuo\$).in.	USPAT; US-PGPUB; EPO; JPO;	2003/08/29 07:43
-	4	(minami-shinichi\$ kamigaki-yoshiaki\$ yasuoka-hideki\$ owada-fukuo\$).in. and zener	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:10
_	2287	constant adj voltage near5 circuit and zener	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:10
-	446	constant adj voltage near5 circuit and zener adj diodes!	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:12
_	0	constant adj voltage near5 circuit and zener adj diodes! SAME common near3 well	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:47
-	0	constant adj voltage near5 circuit and zener adj diodes! SAME scatter\$	USPĀT; US-PGPUB; EPO; JPO;	2003/08/29 09:13
-	0	constant adj voltage near5 circuit and zener SAME common near3 well	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:13
-	201	constant adj voltage near5 circuit and zener SAME well	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:19
-	322946	(("257") or ("438")).CLAS.	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/29 09:19

-	56		USPAT;	2003/08/29
		zener) and ((("257") or ("438")).CLAS.)	US-PGPUB;	09:19
1			EPO; JPO;	
			IBM TDB	
_	0	20010013611.URPN.	USPĀT	2003/08/29
	_			09:26
i _	4	zener adj diodes! SAME common near3 well	USPAT;	2003/08/29
	•	Zonor day drodes. Simil common nears were	US-PGPUB;	09:55
			EPO; JPO;	03.00
			IBM TDB	
+	29	zener adj diode SAME common near3 well		2003/-08/-29
_	29	zener adj diode SAME Common hears well		10:16
			US-PGPUB;	10:16
			EPO; JPO;	
			IBM_TDB	0000 (00 (00
-	99	(257/606).CCLS.	USPAT;	2003/08/29
			US-PGPUB;	10:01
			EPO; JPO;	
			IBM_TDB	
-	4	5298788.URPN.	USPAT	2003/08/29
				10:08
_	7	("4276556" "4319257" "4441114"	USPAT	2003/08/29
		"4758872" "4766469" "4910160"		10:09
		"5027165").PN.		
_	9165	zener adi diode with series	USPAT;	2003/08/29
1 -	9103	2 cher adj drode with series	US-PGPUB;	10:16
	ļ		EPO; JPO;	10.10
		/////057/10	IBM_TDB	2003/09/20
-	321		USPAT;	2003/08/29
		adj diode with series)	US-PGPUB;	11:04
	[EPO; JPO;	
			IBM_TDB	
_	4	("5347147" "5914501" "5959307"	USPAT	2003/08/29
		"6054716").PN.		10:38
_	7	5401996.URPN.	USPAT	2003/08/31
				06:03
_	14	("3934159" "4037140" "4161741"	USPAT	2003/08/31
	1	"4580063" "4626882" "4829350"		06:03
		"4858055" "4893158" "5005061"		
		"5023692" "5119153" "5135880"		
		"5136349" "5162966").PN.		
	7		USPAT	2003/08/31
-	1 '	JU2/10J.UNFN.	33171	06:10
		("4071852" "4646114" "4677369"	USPAT	2003/08/31
-	4	,	OSEMI	06:12
		"4766469").PN.	IICDAM	1
-	4	4646114.URPN.	USPAT	2003/08/31
}	_	17.0500		06:13
-	6	4748533.URPN.	USPAT	2003/08/31
				06:15
-	6	("3573550" "4271445" "4323942"	USPAT	2003/08/31
		"4400711" "4573099" "4651251").PN.		06:16
-	197	zener with buried	USPAT;	2003/08/31
	1		US-PGPUB;	07:41
			EPO; JPO;	
			IBM_TDB	Į į
_	5	("5241213" "5643820" "5760450"	USPAT	2003/08/31
		"5770886" "6207484").PN.		07:32
_	1	1	USPAT	2003/08/31
	1	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		07:33
1_	0	("4,398,1424,652,895").PN.	USPAT;	2003/08/31
-	1	(1,330,1321,032,033).EN.	US-PGPUB;	07:41
				0,.31
			EPO; JPO;	
	_	/#4 200 1404 CFO COE#\ my	IBM_TDB	2002/02/21
-	0	("4,398,1424,652,895").PN.	USPAT;	2003/08/31
			US-PGPUB;	07:41
			EPO; JPO;	
			IBM_TDB	
-	2	(("4,398,142") or ("4,652,895")).PN.	USPAT;	2003/08/31
			US-PGPUB;	08:21
			EPO; JPO;	
			IBM_TDB	
-	9	4652895.URPN.	USPAT	2003/08/31
				07:42
L			L	

Search History 8/31/03 11:41:25 AM Page 5

-	8	4398142.URPN.	USPAT	2003/08/31 07:43
_	5	4870467.URPN.	USPAT	2003/08/31
_	5	10101. ORFN.	OSIAI	07:47
_	2	5756387.URPN.	USPAT	2003/08/31
	- I	075050710M2M	001111	07:49
-	11	("4079402" "4106048" "4127859"	USPAT	2003/08/31
		"4203781" "4213806" "4473941"		07:49
		"4683483" "4742021" "4870467"		
-		"5475245" "5545914").PN.		
-	15	4106048.URPN	USPAT	2003/08/31
:				07:51
-	7	4766469.URPN.	USPAT	2003/08/31
	_			07:55
-	7	("4276556" "4319257" "4441114"	USPAT	2003/08/31
		"4758872" "4766469" "4910160"		07:56
	,	"5027165").PN.	USPAT	2003/08/31
-	7	5027165.URPN.	USPAI	07:57
	4	4441114.URPN.	USPAT	2003/08/31
-	3	HARITIA.OREN.	001111	08:00
1_	4	4646114.URPN.	USPAT	2003/08/31
	-	70101111011111		08:01
-	7	("3403306" "4079402" "4136349"	USPAT	2003/08/31
		"4224631" "4313083" "4315209"		08:01
		"4441114").PN.		
-	5	4224631.URPN.	USPAT	2003/08/31
				08:02
-	3	("4051504" "4079402" "4127859").PN.	USPAT	2003/08/31
	_		******	08:02
-	0	5583367.URPN.	USPAT	2003/08/31 08:10
	7	/!! 4 F 4 O O O O !!	USPAT	2003/08/31
-	7	("4549088" "4673964" "4780625" "4782375" "4929993" "4987467"	OSFAI	08:10
		"4782375" "4929993 4987487 "5095349").PN.		
_	1	("4,213,806").PN.	USPAT;	2003/08/31
		(1,110,000 , 11111	US-PGPUB;	08:21
			EPO; JPO;	
			IBM_TDB	
-	16	4213806.URPN.	USPĀT	2003/08/31
				08:21
-	6	("3378915" "3765961" "3881179"	USPAT	2003/08/31
	_	"3886001" "4099998" "4136349").PN.	IIGDD T	08:24
-	7		USPAT	2003/08/31
		"4260946" "4313083" "4477737"	1	08:25
	10	"4562400").PN. 4677369.URPN.	USPAT	2003/08/31
-	19	40//303.UKPN.	02571	08:25
_	22	4590664.URPN.	USPAT	2003/08/31
	""	10000011011111		08:30